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## **Supplemental Material**

## Blood Pressure Changes in Relation to Arsenic Exposure in a U.S. Pregnancy Cohort

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## **Table of Contents**

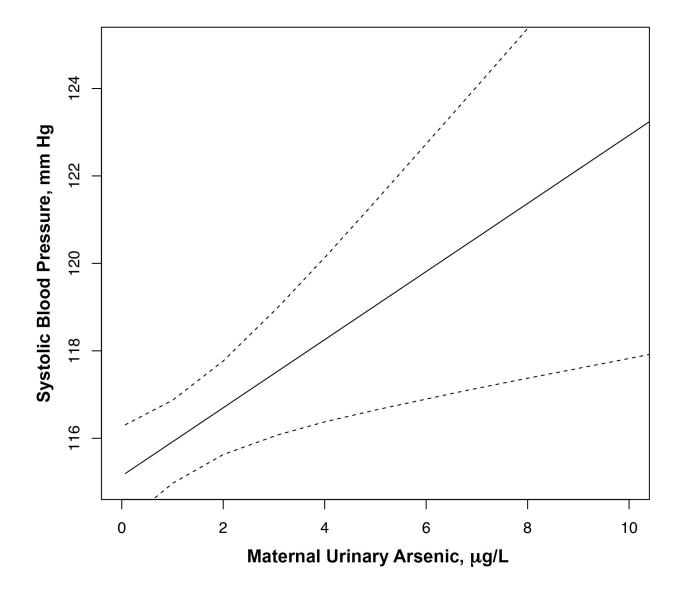
**Table S1.** Mean blood pressure by gestational week.

**Figure S1.** Graphical representation of relationship between maternal urinary arsenic at gestational week 24-28 (x-axis) and systolic blood pressure at the end of pregnancy (average of last three measurements during pregnancy) (y-axis), as estimated by linear regression. The solid line represents the linear regression equation, when covariates are set equal to the median values in the regression equation (age at enrollment: 30.96 years, pre-pregnancy BMI: 24.02 kg/m<sup>2</sup>, educational level (completed college), marital status (married), maternal smoking (no), parity (1 child), and gestational diabetes (no)); the dotted lines represent the 95% confidence interval.

**Table S1.** Mean blood pressure by gestational week.

Gestational Week	Women with	Mean ± SD			
	measurements (N)	Measurements per woman	SBP, mmHg	DBP, mmHg	PP, mmHg
Less than 4	4	1 ± 0	115.0 ± 3.5	71 ± 6.6	42.8 ± 7.9
4-6	13	1.1 ± 0.5	116.0 ± 7.5	70.4 ± 7.3	46.3 ± 9.6
6-8	110	1.1 ± 0.3	110.9 ± 10.2	67.1 ± 6.1	44.1 ± 8.5
8-10	227	1.1 ± 0.3	112.0 ± 8.7	66.6 ± 6.9	45.3 ± 8.2
10-12	293	1.1 ± 0.3	113.5 ± 11.2	68.9 ± 8.7	44.7 ± 8.7
12-14	234	1.1 ± 0.2	112.8 ± 10.9	67.3 ± 7.5	45.3 ± 8.6
14-16	289	1.0 ± 0.2	113.1 ± 11.5	67.2 ± 7.6	45.9 ± 9.2
16-18	198	1.0 ± 0.2	112.4 ± 10.2	67.7 ± 6.8	44.8 ± 8.8
18-20	331	1.0 ± 0.2	111.7 ± 10.2	66.3 ± 7.8	45.5 ± 9.3
20-22	215	1.0 ± 0.2	112.1 ± 8.9	66.6 ± 7.2	45.6 ± 7.5
22-24	285	1.0 ± 0.2	112.4 ± 10.5	66.8 ± 7.2	45.6 ± 9.0
24-26	242	1.1 ± 0.3	113.3 ± 10.0	67.4 ± 7.9	45.8 ± 8.7
26-28	313	1.1 ± 0.3	113.8 ± 10.6	66.9 ± 7.5	46.8 ± 9.5
28-30	344	1.1 ± 0.2	112.7 ± 9.8	66.6 ± 8.0	45.9 ± 8.8
30-32	439	1.4 ± 0.4	113.4 ± 10.8	67.6 ± 7.5	45.8 ± 8.9
32-34	411	1.2 ± 0.6	113.9 ± 10.1	68.0 ± 7.7	45.6 ± 9.0
34-36	451	1.4 ± 0.7	114.4 ± 9.8	68.6 ± 7.3	46.0 ± 8.8
36-38	466	1.8 ± 0.7	115.4 ± 10.1	70.5 ± 7.6	45.1 ± 8.7
38-40	395	1.7 ± 0.7	117.0 ± 9.4	71.3 ± 7.5	45.7 ± 8.8
Over 40	152	1.7 ± 1.2	119.1 ± 11.6	72.7 ± 7.8	46.8 ± 11.1

SBP: systolic blood pressure; DBP: diastolic blood pressure; PP: pulse pressure.



**Figure S1.** Graphical representation of relationship between maternal urinary arsenic at gestational week 24-28 (x-axis) and systolic blood pressure at the end of pregnancy (average of last three measurements during pregnancy) (y-axis), as estimated by linear regression. The solid line represents the linear regression equation, when covariates are set equal to the median values in the regression equation (age at enrollment: 30.96 years, pre-pregnancy BMI: 24.02 kg/m², educational level (completed college), marital status (married), maternal smoking (no), parity (1 child), and gestational diabetes (no)); the dotted lines represent the 95% confidence interval.